

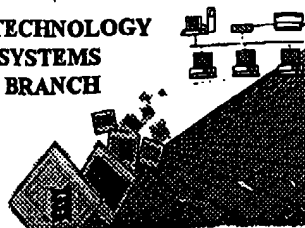
RAW SEQUENCE LISTING
ERROR REPORT

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BIOTECHNOLOGY
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The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/981,215A

Source: 1602

Date Processed by STIC: 11/21/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebs/efs/downloads/documents.htm>) , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
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4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



1600

RAW SEQUENCE LISTING

DATE: 11/21/2003

PATENT APPLICATION: US/09/981,215A

TIME: 11:59:01

Input Set : A:\ IN01344 - SEQUENCE LISTING\PTO.YF.txt

Output Set: N:\CRF4\11212003\I981215A.raw

SEQUENCE LISTING

W--> 1 18
W--> 6 (1) GENERAL INFORMATION:
C--> 8 (iii) NUMBER OF SEQUENCES: 4
C--> 0 (vi) CURRENT APPLICATION DATA:
C--> 0 (A) APPLICATION NUMBER: US/09/981,215A
C--> 0 (B) FILING DATE: 16-Oct-2001

ERRORED SEQUENCES

67 (2) INFORMATION FOR SEQ ID NO: 4:
69 (i) SEQUENCE CHARACTERISTICS:
70 (A) LENGTH: 21 base pairs
71 (B) TYPE: nucleic acid
72 (C) STRANDEDNESS: single
73 (D) TOPOLOGY: linear
W--> 75 (ii) MOLECULE TYPE: DNA (oligonucleotide)
79 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
81 CCCTATCAGG CAGTACCACA A 21
E--> 88 22077_1.DOC
E--> 89 22077_1.DOC

Does Not Comply
Corrected Diskette Needed

*See following
pages
for explanation*

09/98/215A¹

Delete all page nos.

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(iii) ~~(i)~~ NUMBER OF SEQUENCES: 4

(2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 22 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (oligonucleotide)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

GTGGTCTGCG GAACCGGTGA GT 22

(2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 20 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (oligonucleotide)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

TGCACGGTCT ACGAGACCTC 20

(2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 21 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (oligonucleotide)

- (1) GENERAL INFORMATION:
10 APPLICANT:
20 TITLE OF INVENTION:
30 NUMBER OF SEQUENCES:
40 CORRESPONDENCE ADDRESS:
(A) ADDRESSEE:
(B) STREET:
(C) CITY:
(D) STATE:
(E) COUNTRY:
(F) ZIP:
(M) COMPUTER READABLE FORM:
(A) MEDIUM TYPE:
(B) COMPUTER:
(C) OPERATING SYSTEM:
(D) SOFTWARE:
(N) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE:

*insert
these
mandatory
headings
and*

*their
responses*

*for a
U.S.
application*

*These
appear only
once at
beginning of
Sequence Listing*

Delete
19

09/98/215A²

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

CTGTGAGGAA CTA CTGTCTT C 21

(2) INFORMATION FOR SEQ ID NO:4:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 21 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (oligonucleotide)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

CCCTATCAGG CAGTACCACA A 21

22077_1.DOC
22077_1.DOC

delete

FYI: all U.S. applications filed on or
after July 1, 1998, and which cannot claim
a prior application filed before July 1, 1998,
must be in "new" Sequence Rules
format. The Sequence Listings on
these pages is in "old" Sequence
Rules format.